

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

Please amend the claims as follows:

1. (Currently Amended) A system for providing a single telephone number for use with a digital cordless handset and with a second handset, the system comprising:

a wireless access point wired to a wired data network, the wireless access point ~~operative to communicate~~ having a means for communicating with the digital cordless handset via a wireless connection to provide wireless access to the wired data network for the digital cordless handset; and, ~~wherein a call directed toward the second handset corresponding to the single telephone number on a telecommunications network is received at a media gateway operative to enable~~

a media gateway having,

means for enabling the wireless access point to generate a ring tone at the digital cordless handset, wherein a call directed toward the second handset corresponding to a single telephone number on a telecommunications network is received at the media gateway, the telecommunications network ~~being operative to generate~~ generating a ring tone corresponding to the call at the second handset; and

means for linking ~~configured to link~~ the telecommunications network to the wired data network, wherein the digital cordless handset and the second handset

~~operative for use with,~~ using the telecommunications network, are assigned a the single telephone number.

2. (Canceled)

3. (Previously Presented) The system of Claim 1, wherein the ring tone is generated substantially simultaneously at the digital cordless handset and the second handset.

4. (Previously Presented) The system of Claim 1, wherein the telecommunications network comprises a public switched telephone network.

5. (Previously Presented) The system of Claim 4, wherein the second handset comprises at least one wired handset connected to the public switched telephone network.

6. (Currently Amended) The system of Claim 1, wherein the telecommunications network comprises a wireless telecommunications network ~~operative to provide~~ comprising means for providing wireless telecommunications on wireless communications frequencies.

7. (Currently Amended) The system of Claim 6, wherein the second handset comprises ~~a wireless device operative to communicate~~ means for communicating with the wireless telecommunications network via the wireless communications frequencies.

8. (Currently Amended) A method for providing a single telephone number for use with a plurality of handsets, the method comprising:

assigning a single telephone number to a first handset ~~configured for use with~~ using a first telecommunications network, wherein the first telecommunications network comprises one or more wireless access points wired to a wired data network;

assigning the single telephone number to a second handset ~~configured for use with~~ using a second telecommunications network;

providing wireless access via the wireless access points to the wired data network for the first handset over a wireless connection; and

enabling a media gateway to receive a call directed toward the second handset corresponding to the single telephone number on the second telecommunications network, the media gateway ~~operative to enable~~ enabling one of the wireless access points to generate a ring tone at the first handset, the second telecommunications network ~~being operative to generate~~ generating a ring tone corresponding to the call at the second handset, the media gateway ~~configured to link to~~ linking the second telecommunications network to the wired data network.

9. (Original) The method of Claim 8, further comprising:
detecting an incoming communication from a calling party to the single telephone number; and
in response to detection of the incoming communication, placing outgoing communications to the first handset and the second handset.

10. (Original) The method of Claim 9, further comprising:
connecting the incoming communication to the first handset to be answered of either the first handset or the second handset.

11. (Original) The method of Claim 10, further comprising:
dropping each of the outgoing communications other than the outgoing communication associated with the first handset to be answered.

12. (Canceled)

13. (Previously Presented) The method of Claim 8, wherein the first handset comprises a digital cordless handset for communicating with the one or more wireless access points via the wireless connection.

14. (Currently Amended) The method of Claim 8, wherein the second network comprises a wireless network ~~operative to provide~~ providing wireless telecommunications on wireless communications frequencies.

15. (Currently Amended) The method of Claim 14, wherein the second handset comprises a wireless device ~~operative to communicate~~ communicating with the wireless network via the wireless communications frequencies.

16. (Previously Presented) The method of Claim 8, wherein the second network comprises a public switched telephone network.

17. (Previously Presented) The method of Claim 16, wherein the second handset comprises a wired handset connected to the public switched telephone network.

Claims 18.- 26. (Canceled)

27. (Currently Amended) A system for providing a single telephone number for use with a digital cordless handset and with a second handset, the system comprising:

means ~~operative to receive~~ for receiving an incoming call directed to a telephone number, wherein the telephone number is assigned to the digital cordless handset and the second handset;

means ~~operative to route~~ for routing the incoming call to the digital cordless handset, wherein the digital cordless handset communicates via a wireless connection with a wireless access point wired to a wired data network for wireless access to the wired data network; and

means ~~operative to route~~ for routing the incoming call to the second handset, wherein the second handset communicates with a telecommunications network; and

means ~~operative to enable~~ for enabling a media gateway to receive a call directed toward the second handset corresponding to the telephone number on the telecommunications network, the media gateway ~~operative to enable~~ enabling the wireless access point to generate a ring tone at the digital cordless handset, the telecommunications network ~~being operative to generate~~ generating a ring tone corresponding to the call at the digital cordless handset, the media gateway ~~configured to link to~~ linking the telecommunications network to the wired data network.

28. (Currently Amended) The system of claim 27, further comprising:

means ~~operative to place~~ for placing outgoing calls to the digital cordless handset and the second handset, in response to receiving the incoming call directed to the telephone number; and

means ~~operative to connect~~ for connecting the incoming call to the first handset to be answered of either the digital cordless handset or the second handset.

29. (Currently Amended) The system of claim 28, further comprising:
means ~~operative to drop~~ for dropping the outgoing communication other than the outgoing communication associated with the first handset to be answered.

30. (Currently Amended) The system of claim 1, wherein the means for communicating ~~wireless access point~~ provides voice-over-internet protocol (VOIP) service to the digital cordless handset.

31. (Currently Amended) The system of claim 1, wherein the means for communicating ~~wireless access point~~ is wired to the wired data network through a broadband residential gateway comprising a broadband modem and a router, the broadband residential gateway comprises means for enabling being configured to enable another means for communicating ~~wireless access point~~ to connect to the wired data network.

32. (Currently Amended) The system of claim 1, wherein the means for communicating ~~wireless access point is configured to use~~ uses subscriber identity module SIM information from the digital cordless handset to determine if a user associated with the digital cordless handset is a subscriber to the wired data network.

33. (Previously Presented) The system of claim 1, wherein the wireless connection comprises an unregulated wireless connection.

34. (Currently Amended) The system of claim 33, wherein the unregulated wireless connection comprises a connection ~~configured to provide~~ providing wireless service using at least one frequency not assigned to a service provider.

35. (Previously Presented) The method of claim 8, wherein the wireless connection comprises an unregulated wireless connection.

36. (Currently Amended) The method of claim 35, wherein the unregulated wireless connection comprises a connection ~~configured to provide~~ providing wireless service using at least one frequency not assigned to a service provider.

Claims 37.-38. (Canceled)

39. (Previously Presented) The system of claim 27, wherein the wireless connection comprises an unregulated wireless connection.

40. (Currently Amended) The system of claim 39, wherein the unregulated wireless connection comprises a connection ~~configured to provide~~ providing service using at least one frequencies not assigned to any service provider.

41. (Previously Presented) The system of claim 6, wherein the wireless communications frequencies comprise regulated wireless communications frequencies.

42. (Previously Presented) The system of claim 41, wherein the regulated wireless communications frequencies comprise frequencies assigned to a service provider.

43. (Previously Presented) The method of claim 14, wherein the wireless communications frequencies comprise regulated wireless communications frequencies.

44. (Previously Presented) The method of claim 43, wherein the regulated wireless communications frequencies comprise frequencies assigned to a service provider.

Claims 45.-46. (Canceled)

47. (New) A media gateway comprising:
means for enabling a wireless access point to generate a ring tone at a digital cordless handset;
means for linking a telecommunications network to a wired data network, the telecommunications network generating a ring tone corresponding to a call at a second handset wherein the digital cordless handset and the second handset using the telecommunications network are assigned a single telephone number, the wireless access point being wired to the wired data network, the wireless access point communicating with the digital cordless handset via a wireless connection to provide wireless access to the wired data network for the digital cordless handset; and

means for receiving the call directed toward the second handset corresponding to the single telephone number on the telecommunications network.

48. (New) The media gateway of Claim 47, wherein the ring tone is generated substantially simultaneously at the digital cordless handset and the second handset.

49. (New) The media gateway of Claim 47, wherein the telecommunications network comprises a public switched telephone network.

50. (New) The media gateway of Claim 49, wherein the second handset comprises a wired handset connected to the public switched telephone network.

51. (New) The media gateway of Claim 47, wherein the telecommunications network comprises a wireless telecommunications network providing wireless telecommunications on wireless communications frequencies.

52. (New) The media gateway of Claim 51, wherein the second handset comprises a wireless device communicating with the wireless telecommunications network via the wireless communications frequencies.

53. (New) The media gateway of claim 47, wherein the wireless access point provides voice-over-internet protocol (VOIP) service to the digital cordless handset.

54. (New) The media gateway of claim 47, wherein the wireless access point is wired to the wired data network through a broadband residential gateway comprising a broadband modem and a router, the broadband residential gateway enabling another wireless access point to connect to the wired data network.

55. (New) The media gateway of claim 47, wherein the wireless access point uses subscriber identity module SIM information from the digital cordless handset to determine if a user associated with the digital cordless handset is a subscriber to the wired data network.

56. (New) The media gateway of claim 47, wherein the wireless connection comprises an unregulated wireless connection.

57. (New) The media gateway of claim 56, wherein the unregulated wireless connection comprises a connection providing wireless service using at least one frequency not assigned to a service provider.